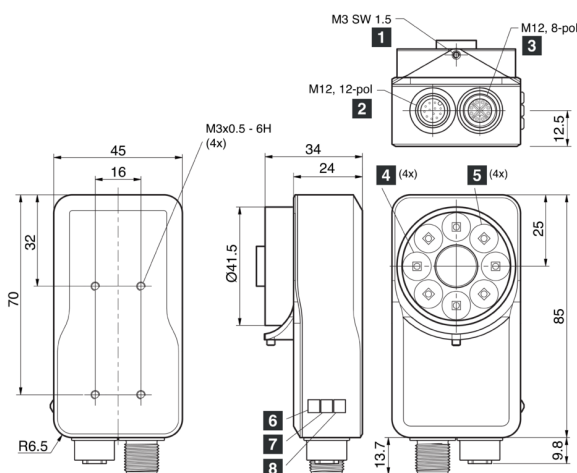




# 215211 CS62-BM38-EP15/400 CS 62 Vision Sensor

- Localization, Parts recognition, Counting, Measurement
- Upgrade option: Reading codes, plain text and smart licenses
- The specialist, compact and high-performance
- High power LED illumination in red and white
- Flexible and productive Software nVision-i
- Parameter changes via linked Profinet inputs during execution
- Simple & intuitive parameterization
- Flexible working distances of 50 - 2,000 mm by changing lenses



- |                    |                          |
|--------------------|--------------------------|
| 1) Lens cover lock | 5) LED (white)           |
| 2) A-coded         | 6) LED Trigger (green)   |
| 3) X-coded         | 7) LED LAN (yellow)      |
| 4) LED (red)       | 8) LED Operation (green) |

## 12-pol A-codiert



|                    |               |
|--------------------|---------------|
| 1 PLC_IN0          | 7 +UB         |
| 2 PLC_IN1          | 8 GND         |
| 3 OUT_2            | 9 NC          |
| 4 OUT_3            | 10 Trigger IN |
| 5 READY            | 11 OUT_0      |
| 6 COMMON INTERFACE | 12 OUT_1      |

## 8-pol X-codiert



|          |          |
|----------|----------|
| 1 LAN A+ | 5 LAN D+ |
| 2 LAN A- | 6 LAN D- |
| 3 LAN B+ | 7 LAN C- |
| 4 LAN B- | 8 LAN C+ |

## Function



## Technical data (typ.)

+20°C, 24 V DC

### Electrical features

|                              |                   |
|------------------------------|-------------------|
| Service voltage              | 18 ... 30 V DC    |
| No-load current (max.)       | 1000 mA (24 V DC) |
| Insulation voltage endurance | 500 V             |

### Mechanical features

|                  |                            |
|------------------|----------------------------|
| Housing material | Aluminum (Black, Anodized) |
| Material         | PMMA (Window / optics)     |
| Lens connection  | S-mount                    |
| Weight           | 185 g                      |

### Certifications, approvals

|                           |                                          |
|---------------------------|------------------------------------------|
| Protection class          | III, operation on protective low voltage |
| Risk group (DIN EN 62471) | Risk group 1                             |
| Approvals                 | UL                                       |



**215211**  
**CS62-BM38-EP15/400**  
**CS 62 Vision Sensor**

| Technical data (typ.)                              |                                                                | +20°C, 24 V DC                                                                |
|----------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------|
| General features                                   |                                                                |                                                                               |
| Model                                              | CS 62                                                          |                                                                               |
| Design                                             | Cuboid design                                                  |                                                                               |
| Sensor type                                        | SONY IMX296LLR                                                 |                                                                               |
| Functional scope                                   |                                                                |                                                                               |
| Inspection tasks                                   | Localization, Parts recognition, Counting, Measurement         |                                                                               |
| Shutter                                            | global                                                         |                                                                               |
| Scope of delivery                                  | CS62-BM38-EP15/400, O-S1-S-080-40                              |                                                                               |
| Internal lights                                    | High power lighting white and red can be switched via software |                                                                               |
| Output, input, interface                           |                                                                |                                                                               |
| Switching output                                   | Push-pull, 100 mA                                              |                                                                               |
| Switching output number                            | 4 (programmable, 1 (Ready))                                    |                                                                               |
| Voltage drop (max.)                                | 2 V                                                            |                                                                               |
| Interface                                          | Digital Input/Output                                           |                                                                               |
| Protocols                                          | TCP/IP, FTP/SFTP, Profinet, EtherNet/IP                        |                                                                               |
| Optical data                                       |                                                                |                                                                               |
| Color                                              | Red / white switchable (internal)                              |                                                                               |
| Focal length                                       | 8 mm (exchangeable S-mount lens)                               |                                                                               |
| Optical format                                     | 1/2.9"                                                         |                                                                               |
| Detection range, measuring range, tolerance limits |                                                                |                                                                               |
| Resolution                                         | 1456 x 1088 Pixel (1.6 MP)                                     |                                                                               |
| Working distance                                   | 50.0 ... 2000 mm                                               |                                                                               |
| Display, operation                                 |                                                                |                                                                               |
| Display                                            | LED green - Operation, yellow - DATA-Link yellow - Trigger     |                                                                               |
| Time behavior                                      |                                                                |                                                                               |
| FPS - Frames Per Second (max.)                     | 30 images/second                                               |                                                                               |
| Flash length                                       | < 2 ms                                                         |                                                                               |
| Ambient conditions                                 |                                                                |                                                                               |
| Ambient temperature during operation               | 0 ... +50 °C                                                   |                                                                               |
| Vibration/shock resistance                         | 10 to 55 Hz / 1.0 mm / 30 g / 11 ms                            |                                                                               |
| Protection type                                    | IP 67                                                          |                                                                               |
| Electrical connection                              |                                                                |                                                                               |
| Connection                                         | Connector, M12, 12-pin (A-coded)                               |                                                                               |
| Connection 2                                       | Socket, M12, 8-pin (X-coded)                                   |                                                                               |
| Cable                                              | Connection cables max. 25 m                                    |                                                                               |
| More information / accessories                     |                                                                | <a href="https://www.di-soric.com/215211">https://www.di-soric.com/215211</a> |